

**IN THE CLAIMS:**

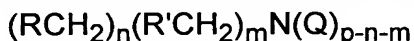
Claim 1. (Currently Amended) An element for forming a print-out image comprising:

- (a) a substrate comprising cellulose having a first surface and a second surface;
- (b) a dye forming composition on the first surface of the substrate, wherein the dye forming composition comprises a film forming polymeric binder; a photooxidant; a leuco dye; up to 10% by weight, based on the weight of the total composition, of an acid; and a mixture comprising (a) at least one photoreducible ~~quinine~~ quinone, and (b) at least one hydrogen donor compound; and
- (c) a non-dye forming composition on the second surface of the substrate comprising at least one hydrogen donor compound.

Claim 2. (Previously Presented) The element of Claim 1 wherein at least one of the hydrogen donor compounds is an organic compound containing an amine group, a hydroxy group, a phosphine group, a phosphoramidate group, or a  $\beta$ -dialkylaminocarbonyl moiety.

Claim 3. (Previously Presented) The element of Claim 2 wherein at least one of the hydrogen donor compounds is selected from the group consisting of:

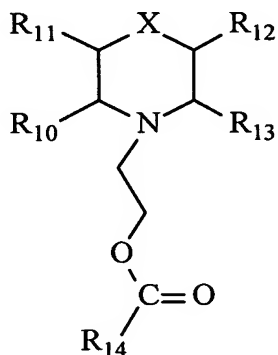
- (i) an aliphatic amine compound having the structural formula:



wherein  $p = 3$ ,  $n$  and  $m$  are 0, 1 or 2,  $Q$  is  $CH_2CH_2O_2CR''$  or  $CH_2CH_2CO_2R''$  and

$R$ ,  $R'$  and  $R''$  are the same or different hydrogen atom, or alkyl group of 1 to 12 carbon atoms, or aryl group of 6 to 10 carbon atoms, or alkylaryl group of 7-20 carbon atoms, or alkoxyalkyl group of 1 to 12 carbon atoms; and

- (ii) a heterocyclic compound having the structural formula:



wherein X is an oxygen atom, CH<sub>2</sub> group, or a bridge to make a 5-membered cyclic amine,

R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub>, and R<sub>13</sub> are the same or different, hydrogen atom, or alkyl group of 1 to 12 carbon atoms, or aryl group of 6 to 10 carbon atoms, or alkylaryl group of 7-20 carbon atoms, or alkoxyalkyl group of 1 to 12 carbon atoms, and

R<sub>14</sub> is a hydrogen atom, or alkyl group of 1 to 12 carbon atoms, or aryl group of 6 to 10 carbon atoms, or alkylaryl group of 7-20 carbon atoms, or alkoxyalkyl group of 1 to 12 carbon atoms.

Claim 4. (Previously Presented) The element of Claim 2 wherein at least one of the hydrogen donor compounds is triethanol amine triacetate, triethanolamine tripropionate, triethanolamine tributyrate, triethanolamine trivalerate, N,N-dibenzylethanolamine acetate, N,N-dibenzylethanolamine propionate, N,N-dibenzylethanolamine butyrate or N-benzyl(diethanolamine diacetate).

Claim 5. (Previously Presented) The element of Claim 2 wherein at least one of the hydrogen donor compounds is 4-(2-hydroxyethyl)-morpholine acetate, 4-(2-hydroxyethyl)-morpholine propionate, 1-piperidineethanol acetate or 1-pyrrolidineethanol acetate.

Claim 6. (Previously Presented) The element of Claim 2 wherein at least one of the hydrogen donor compounds is triethanolamine triacetate.

Claim 7. (Previously Presented) The element of Claim 2 wherein at least one of the hydrogen donor compounds is N,N-dibenzylethanolamine acetate.

Claim 8. (Previously Presented) The element of Claim 2 wherein at least one of the hydrogen donor compounds is 4-(2-hydroxyethyl)-morpholine acetate.

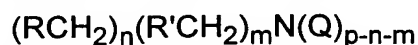
Claim 9. (Previously Presented) The element of Claim 3 wherein the aliphatic amine compound is present in the amount of about 2 to about 20% by weight, based on the weight of the total composition.

Claim 10. (Cancelled)

Claim 11. (Previously Presented) The element of Claim 1 wherein the hydrogen donor compound in the dye forming composition is an organic compound containing an amine group, a hydroxy group, a phosphine group, a phosphoramidate group, or a  $\beta$ -dialkylaminocarbonyl moiety.

Claim 12. (Previously Presented) The element of Claim 11 wherein the dye forming hydrogen donor compound is selected from the group consisting of:

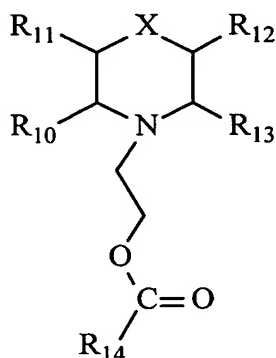
(i) an aliphatic amine compound having the structural formula:



wherein p = 3, n and m are 0, 1 or 2, Q is CH<sub>2</sub>CH<sub>2</sub>O<sub>2</sub>CR" or CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>R" and

R, R' and R'' are the same or different hydrogen atom, or alkyl group of 1 to 12 carbon atoms, or aryl group of 6 to 10 carbon atoms, or alkylaryl group of 7-20 carbon atoms, or alkoxyalkyl group of 1 to 12 carbon atoms; and

(ii) a heterocyclic compound having the structural formula:



wherein X is an oxygen atom, CH<sub>2</sub> group, or a bridge to make a 5-membered cyclic amine,

R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub>, and R<sub>13</sub> are the same or different hydrogen atom, or alkyl group of 1 to 12 carbon atoms, or aryl group of 6 to 10 carbon atoms, or alkylaryl group of 7-20 carbon atoms, or alkoxyalkyl group of 1 to 12 carbon atoms, and

R<sub>14</sub> is a hydrogen atom, or alkyl group of 1 to 12 carbon atoms, or aryl group of 6 to 10 carbon atoms, or alkylaryl group of 7-20 carbon atoms, or alkoxyalkyl group of 1 to 12 carbon atoms.

Claim 13. (Previously Presented) The element of Claim 12 wherein the dye forming hydrogen donor compound is triethanol amine triacetate, triethanolamine tripropionate, triethanolamine tributyrate, triethanolamine trivalerate, N,N-dibenzylethanolamine acetate, N,N-dibenzylethanolamine propionate, N,N-dibenzylethanolamine butyrate or N-benzyl(diethanolamine diacetate).

Claim 14. (Previously Presented) The element of Claim 11 wherein the dye forming hydrogen donor compound is 4-(2-hydroxyethyl)-morpholine acetate, 4-(2-hydroxyethyl)-morpholine propionate, 1-piperidineethanol acetate or 1-pyrrolidineethanol acetate.

Claim 15. (Previously Presented) The element of Claim 11 wherein the dye forming hydrogen donor compound is triethanolamine triacetate.

Claim 16. (Previously Presented) The element of Claim 11 wherein the dye forming hydrogen donor compound is N,N-dibenzylethanolamine acetate.

Claim 17. (Previously Presented) The element of Claim 11 wherein the dye forming hydrogen donor compound is 4-(2-hydroxyethyl)-morpholine acetate.

Claim 18. (Previously Presented) The element of Claim 12 wherein the aliphatic amine compound in the dye forming composition is present in the amount of 2 to 20 % by weight, based on the weight of the total composition.

Claim 19. (Cancelled)

Claim 20. (Previously Presented) The element of Claim 1 wherein the polymeric binder is a cellulose acetate ester.

Claim 21. (Previously Presented) The element of Claim 1 wherein the polymeric binder is poly(vinyl butyral).

Claim 22. (Previously Presented) The element of Claim 1 wherein the leuco dye is an aminotriarylmethane, aminoxanthene, aminothioxanthene, amino-9,10-dihydroacridine, aminophenoxazine, aminophenothiazine, aminodihydrophenazine, aminodiphenyl methane, leuco indamine, aminohydrocinnamic acid (cyanoethane, leuco methine) and corresponding ester, hydrazine, leuco indigoid dye, amino 2,3-dihydroanthraquinone, tetrahalo-p,p'-biphenol, 2(p-hydroxyphenyl)-4,5-diphenylimidazole, indanone, phenethylaniline, or combination thereof.

Claim 23. (Original) The element of Claim 22 wherein the leuco dye is 4,4',4"-methylidynetris[N,N-diethyl-3-methyl-benzenamine].

Claim 24. (Previously Presented) The element of Claim 1 wherein the photooxidant is 2,4,5,2',4',5'-hexaaryl-biimidazole dimer.

Claim 25. (Original) The element of Claim 24 wherein the 2,4,5,2',4',5'-hexaaryl-biimidazole compound is TCDM-HABI.

Claim 26. (Previously Presented) The element of Claim 1 wherein the acid is dodecylbenzene sulfonic acid, p-toluene sulfonic acid, lower alkyl toluene sulfonic acid or higher alkyl toluene sulfonic acid.

Claim 27. (Previously Presented) The element of Claim 1 wherein the acid is dodecylbenzene sulfonic acid.

Claim 28. (Previously Presented) The element of Claim 1 wherein the photoreducible quinone is 1,6-pyrenequinone, 1,8-pyrenequinone, 9,10-phenanthrenequinone or mixtures thereof.

Claim 29. (Cancelled)

Claim 30. (Cancelled)

Claim 31. (Cancelled)

Claim 32. (Currently Amended) A process for forming a print-out image comprising:

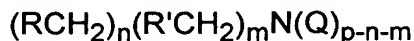
(a) providing a substrate comprising cellulose having a first surface and a second surface;

(b) applying a dye forming composition to the first surface of the substrate, wherein the dye forming composition comprises a film forming polymeric

binder; a photooxidant; a leuco dye; up to 10% by weight, based on the weight of the total composition, of an acid; and a mixture comprising (a) at least one photoreducible ~~quinine~~ quinone, and (b) at least one hydrogen donor compound; and (c) applying a non-dye forming composition to the second surface of the substrate, wherein the non-dye forming composition comprises at least one hydrogen donor compound.

Claim 33. (Previously Presented) The process of Claim 32 wherein at least one of the hydrogen donor compounds is selected from the group consisting of:

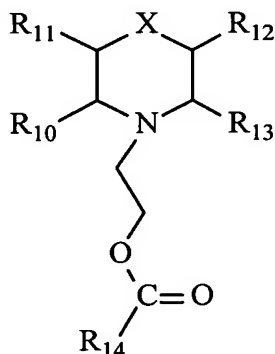
(i) an aliphatic amine compound having the structural formula:



wherein  $p = 3$ ,  $n$  and  $m$  are 0, 1 or 2,  $Q$  is  $CH_2CH_2O_2CR''$  or  $CH_2CH_2CO_2R''$  and

$R$ ,  $R'$  and  $R''$  are the same or different hydrogen atom, or alkyl group of 1 to 12 carbon atoms, or aryl group of 6 to 10 carbon atoms, or alkylaryl group of 7-20 carbon atoms, or alkoxyalkyl group of 1 to 12 carbon atoms; and

(ii) a heterocyclic compound having the structural formula:



wherein  $X$  is an oxygen atom,  $CH_2$  group, or a bridge to make a 5-membered cyclic amine,

$R_{10}$ ,  $R_{11}$ ,  $R_{12}$ , and  $R_{13}$  are the same or different hydrogen atom, or alkyl group of 1 to 12 carbon atoms, or aryl group of 6 to 10 carbon atoms, or alkylaryl group of 7-20 carbon atoms, or alkoxyalkyl group of 1 to 12 carbon atoms, and

$R_{14}$  is a hydrogen atom, or alkyl group of 1 to 12 carbon atoms, or aryl group of 6 to 10 carbon atoms, or alkylaryl group of 7-20 carbon atoms, or alkoxyalkyl group of 1 to 12 carbon atoms.

Claim 34. (Cancelled)